

IN THE CLAIMS

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A1
1. (Amended) A method of producing a multi-layered wiring board comprising [the steps of]:

forming an insulating layer [made] of a photosensitive resin on a substrate for forming multi-layered wiring, and exposing and developing said insulating layer to form holes having a [predetermined shape] size;

depositing a curable resin onto said insulating layer having [said] the holes [formed therein in such a manner as to bury said] and filling the holes, and heating said curable resin to form a cured thin film of said curable resin on [the surface of] said insulating layer; and

removing said curable resin [in such a manner as to leave], leaving said cured thin film and [to form] via-holes having a [reduced opening] size reduced by said cured thin film from the size of the holes.

2. (Amended) [A] The method of producing a multi-layered wiring board according to claim 1, wherein said photosensitive resin is at least one member selected from the group consisting of an epoxy resin, an epoxy-modified acrylate resin, a cationic polymerization product of an epoxy resin, a

AI phenol resin, a melamine resin, a carboxy-modified epoxy acrylate, and a cinnamate.

3. (Amended) [A] The method of producing a multi-layered wiring board according to claim 1, wherein said curable resin comprises one of a water-soluble resin [or] and a water-soluble cross-linking agent.

4. (Amended) [A] The method of producing a multi-layered wiring board according to claim 1, wherein said curable resin is at least one member selected from the group consisting of polymethylsiliceous siloxane, a melamine resin, an acrylate resin, and an epoxy resin.

5. (Amended) [A] The method of producing a multi-layered wiring board according to claim 1, wherein said curable resin contains rubber particles consisting of a butadiene-acrylonitrile copolymer, and [said method further comprises the step of] including chemically surface-roughening said cured thin film.

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A/ 6. (Amended) [A] The method of producing a multi-layered wiring board according to claim 2, wherein said curable resin comprises one of a water-soluble resin [or] and a water-soluble cross-linking agent.

7. (Amended) [A] The method of producing a multi-layered wiring board according to claim 2, wherein said curable resin is at least one member selected from the group consisting of polymethylsiliceous siloxane, a melamine resin, an acrylate resin, and an epoxy resin.

8. (Amended) [A] The method of producing a multi-layered wiring board according to claim 3, wherein said curable resin contains particles of one of calcium carbonate [or] and polybutadiene rubber.

9. (Amended) [A] The method of producing a multi-layered wiring board according to claim 4, wherein said curable resin contains particles of one of calcium carbonate [or] and polybutadiene rubber.

In re Appln. of Toyoshima et al.
Application No. Unassigned

09738855-121800
10. (Amended) [A] The method of producing a multi-layered wiring board including a plurality of stages of via-holes formed by repeating [said] the process [steps] of claim 1, wherein [said] the via-holes of upper stages [are so formed as to possess a greater degree of reduction] are more reduced in size than [said] the via-holes of lower stages.

IN THE ABSTRACT

Please replace the existing Abstract of the Disclosure with the appended Abstract of the Disclosure.

REMARKS

The foregoing changes are made to improve the form of the patent application. No new matter has been added and entry is respectfully requested.